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SEQUENCE LISTING

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<120> ANTIOXIDANT PHARMACEUTICAL COMPOUND, METHOD FOR PRODUCING
POLYPEPTIDE AND METHOD OF CURE

<130> u015763-7

<140> 10/534238

<141> 2005-05-06

<150> PCT/RU03/00473

<151> 2003-11-05

<160> 8

<170> PatentIn version 3.3

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<213> Homo sapiens

<220>

<221> CDS

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Leu Leu Leu Gly Asp Val Ala Pro Asn Phe Glu Ala Asn Thr Thr Val
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ggc cgc atc cgt ttc cac gac ttt ctg gga gac tca tgg ggc att ctc 151
Gly Arg Ile Arg Phe His Asp Phe Leu Gly Asp Ser Trp Gly Ile Leu
25 30 35

tcc tcc cac cct cgg gac ttt acc cca gtg tgc acc aca gag ctt ggc 199
Phe Ser His Pro Arg Asp Phe Thr Pro Val Cys Thr Thr Glu Leu Gly
40 45 50

aga gct gca aag ctg gca cca gaa ttt gcc aag agg aat gtt aag ttg 247
Arg Ala Ala Lys Leu Ala Pro Glu Phe Ala Lys Arg Asn Val Lys Leu
55 60 65

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| att gcc ctt tca at | ac agt gtt gag gac cat ctt gcc tgg | gc aag | 295 |
| Ile Ala Leu Ser Ile Asp Ser Val Glu Asp His Leu Ala Trp Ser Lys | | | |
| 70 | 75 | 80 | |
| gat atc aat gct tac aat tgt gaa gag ccc aca gaa aag tta cct ttt | | | 343 |
| Asp Ile Asn Ala Tyr Asn Cys Glu Glu Pro Thr Glu Lys Leu Pro Phe | | | |
| 85 | 90 | 95 | 100 |
| ccc atc atc gat gat agg aat cgg gag ctt gcc atc ctg ttg ggc atg | | | 391 |
| Pro Ile Ile Asp Asp Arg Asn Arg Glu Leu Ala Ile Leu Leu Gly Met | | | |
| 105 | 110 | 115 | |
| ctg gat cca gca gag aag gat gaa aag ggc atg cct gtg aca gct cgt | | | 439 |
| Leu Asp Pro Ala Glu Lys Asp Glu Lys Gly Met Pro Val Thr Ala Arg | | | |
| 120 | 125 | 130 | |
| gtg gtg ttt gtt ttt ggt cct gat aag aag ctg aag ctg tct atc ctc | | | 487 |
| Val Val Phe Val Phe Gly Pro Asp Lys Lys Leu Lys Leu Ser Ile Leu | | | |
| 135 | 140 | 145 | |
| tac cca gct acc act ggc agg aac ttt gat gag att ctc agg gta gtc | | | 535 |
| Tyr Pro Ala Thr Thr Gly Arg Asn Phe Asp Glu Ile Leu Arg Val Val | | | |
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| atc tct ctc cag ctg aca gca gaa aaa agg gtt gcc acc cca gtt gat | | | 583 |
| Ile Ser Leu Gln Leu Thr Ala Glu Lys Arg Val Ala Thr Pro Val Asp | | | |
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| tgg aag gat ggg gat agt gtg atg gtc ctt cca acc atc cct gaa gaa | | | 631 |
| Trp Lys Asp Gly Asp Ser Val Met Val Leu Pro Thr Ile Pro Glu Glu | | | |
| 185 | 190 | 195 | |
| gaa gcc aaa aaa ctt ttc ccg aaa gga gtc ttc acc aaa gag ctc cca | | | 679 |
| Glu Ala Lys Lys Leu Phe Pro Lys Gly Val Phe Thr Lys Glu Leu Pro | | | |
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Trp Gly Ile Leu Phe Ser His Pro Arg Asp Phe Thr Pro Val Cys Thr
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Thr Glu Leu Gly Arg Ala Ala Lys Leu Ala Pro Glu Phe Ala Lys Arg
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Asn Val Lys Leu Ile Ala Leu Ser Ile Asp Ser Val Glu Asp His Leu
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Ala Trp Ser Lys Asp Ile Asn Ala Tyr Asn Cys Glu Glu Pro Thr Glu
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Lys Leu Pro Phe Pro Ile Ile Asp Asp Arg Asn Arg Glu Leu Ala Ile
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Leu Leu Gly Met Leu Asp Pro Ala Glu Lys Asp Glu Lys Gly Met Pro
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Val Thr Ala Arg Val Val Phe Val Phe Gly Pro Asp Lys Lys Leu Lys
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Leu Ser Ile Leu Tyr Pro Ala Thr Thr Gly Arg Asn Phe Asp Glu Ile
145 150 155 160

Leu Arg Val Val Ile Ser Leu Gln Leu Thr Ala Glu Lys Arg Val Ala
165 170 175

Thr Pro Val Asp Trp Lys Asp Gly Asp Ser Val Met Val Leu Pro Thr
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Lys Glu Leu Pro Ser Gly Lys Lys Tyr Leu Arg Tyr Thr Pro Gln Pro
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Leu Leu Leu Gly Asp Val Ala Pro Asn Phe Glu Ala Asn Thr Thr Val
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Gly Arg Ile Arg Phe His Asp Phe Leu Gly Asp Ser Trp Gly Ile Leu
25 30 35

ttc tcc cac cct cgg gac ttt acc cca gtg tgc acc aca gag ctt ggc 199
Phe Ser His Pro Arg Asp Phe Thr Pro Val Cys Thr Thr Glu Leu Gly
40 45 50

aga gct gca aag ctg gca cca gaa ttt gcc aag agg aat gtt aag ttg 247
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55 60 65

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Ile Ala Leu Ser Ile Asp Ser Val Glu Asp His Leu Ala Trp Ser Lys
70 75 80

gat atc aat gct tac aat tgt gaa gag ccc aca gaa aag tta cct ttt 343
Asp Ile Asn Ala Tyr Asn Cys Glu Glu Pro Thr Glu Lys Leu Pro Phe
85 90 95 100

ccc atc atc gat gat agg aat cgg gag ctt gcc atc ctg ttg ggc atg 391
Pro Ile Ile Asp Asp Arg Asn Arg Glu Leu Ala Ile Leu Leu Gly Met
105 110 115

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Leu Asp Pro Ala Glu Lys Asp Glu Lys Gly Met Pro Val Thr Ala Arg
120 125 130

gtg gtg ttt gtt ttt ggt cct gat aag aag ctg aag ctg tct atc ctc 487
Val Val Phe Val Phe Gly Pro Asp Lys Lys Leu Lys Leu Ser Ile Leu
135 140 145

tac cca gct acc act ggc agg aac ttt gat gag att ctc agg gta gtc 535
Tyr Pro Ala Thr Thr Gly Arg Asn Phe Asp Glu Ile Leu Arg Val Val
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Trp Gly Ile Leu Phe Ser His Pro Arg Asp Phe Thr Pro Val Cys Thr
35 40 45

Thr Glu Leu Gly Arg Ala Ala Lys Leu Ala Pro Glu Phe Ala Lys Arg
50 55 60

Asn Val Lys Leu Ile Ala Leu Ser Ile Asp Ser Val Glu Asp His Leu
65 70 75 80

Ala Trp Ser Lys Asp Ile Asn Ala Tyr Asn Cys Glu Glu Pro Thr Glu
85 90 95

Lys Leu Pro Phe Pro Ile Ile Asp Asp Arg Asn Arg Glu Leu Ala Ile
100 105 110

Leu Leu Gly Met Leu Asp Pro Ala Glu Lys Asp Glu Lys Gly Met Pro
115 120 125

Val Thr Ala Arg Val Val Phe Val Phe Gly Pro Asp Lys Lys Leu Lys
130 135 140

Leu Ser Ile Leu Tyr Pro Ala Thr Thr Gly Arg Asn Phe Asp Glu Ile
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20 25 30

Trp Gly Ile Leu Phe Ser His Pro Arg Asp Phe Thr Pro Val Cys Thr
35 40 45

Thr Glu Leu Gly Arg Ala Ala Lys Leu Ala Pro Glu Phe Ala Lys Arg
50 55 60

Asn Val Lys Leu Ile Ala Leu Ser Ile Asp Ser Val Glu Asp His Leu
65 70 75 80

Ala Trp Ser Lys Asp Ile Asn Ala Tyr Asn Cys Glu Glu Pro Thr Glu
85 90 95

Lys Leu Pro Phe Pro Ile Ile Asp Asp Arg Asn Arg Glu Leu Ala Ile
100 105 110

Leu Leu Gly Met Leu Asp Pro Ala Glu Lys Asp Glu Lys Gly Met Pro
115 120 125

Val Thr Ala Arg Val Val Phe Val Phe Gly Pro Asp Lys Lys Leu Lys
130 135 140

Leu Ser Ile Leu Tyr Pro Ala Thr Thr Gly Arg Asn Phe Asp Glu Ile
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Leu Arg Val Val Ile Ser Leu Gln Leu Thr Ala Glu Lys Arg Val Ala
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Thr

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